Recombinant human SEC61B, His-tagged

Cat. No. SEC61B-2454H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SEC61B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. Oligomers of the Sec61 complex form a transmembrane channel where proteins are translocated across and integrated into the ER membrane. This complex consists of three membrane proteins- alpha, beta, and gamma. This gene encodes the beta-subunit protein. The Sec61 subunits are also observed in the post-ER compartment, suggesting that these proteins can escape the ER and recycle back. There is evidence for multiple polyadenylated sites for this transcript.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	9.4kDa (93aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPGPTPS GTNVGSSGRS PSKAVAARAA GSTVRQRKNA SCGTRSAGRT TSAGTGGMWR FYTEDSPGLKVGP
Purity	>85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SEC61B Sec61 beta subunit [Homo sapiens]
Official Symbol	SEC61B
Synonyms	SEC61B; Sec61 beta subunit; protein transport protein Sec61 subunit beta; Sec61 complex, beta subunit; protein translocation complex beta; protein transport protein SEC61 beta subunit;
Gene ID	10952
mRNA Refseq	NM_006808
Protein Refseq	NP_006799
MIM	609214
UniProt ID	P60468
Chromosome Location	9q22.32-q31.3
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing

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	& presentation, organism-specific biosystem; ER-Phagosome pathway, organism-specific biosystem; Gene Expression, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	epidermal growth factor binding; protein binding;

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